

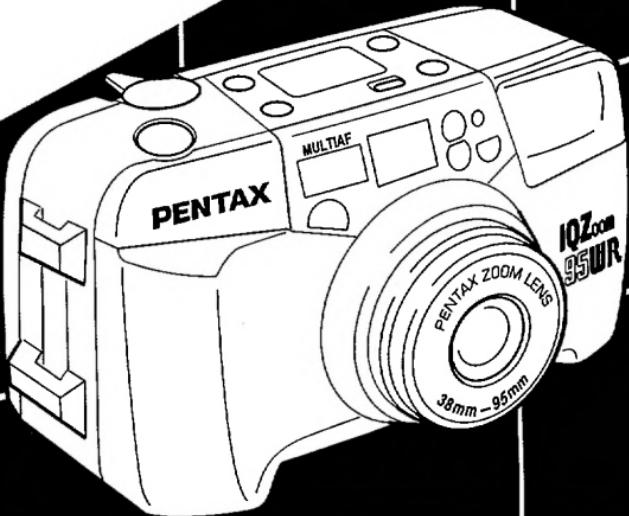
PENTAX®

OPERATING MANUAL

IQZoom 95WR

IQZoom 95WR

QUARTZ DATE



Congratulations on your purchase of the PENTAX **10Zoom 95SW** and welcome to the world of Pentax zoom compact photography! Your compact, light weight camera with a weather-resistance capability is a great companion to preserve your favorite memories.

- Please read this manual carefully before operating the camera to take consistently superior pictures.
- Pay special attention to the cautions and notes in this Operating Manual. Pictures and illustrations shown herein may differ from the camera's actual appearance.
- Illustrations in this operating manual are the DATA MODEL.

Icon indications used in this manual

Operation direction	
Automatic operation	
Attention	
Lamp lighted	
Lamp blinking	
Correct	
Incorrect	

FOR SAFE USE OF YOUR CAMERA

Although we have carefully designed this camera for safe operation, please be sure to follow precautions given in this page.

⚠ WARNING This mark indicates precautions that if not followed, could result in serious injury to the operator.

⚠ CAUTION This mark indicates precautions that, if not followed, could result in minor or medium injury to the operator or damage to the equipment.

⚠ WARNING

- The electric circuits inside the camera contain high voltage working parts. Never attempt to disassemble the camera yourself.
- Never touch internal parts of the camera if they become exposed from dropping the camera or for some other reason, as there is danger of electric shock.
- Be sure to store batteries out of the reach of children. Seek medical assistance immediately if accidentally swallowed.

⚠ CAUTION

- Do not use the flash near anyone's eyes, as it may hurt them. Be particularly careful with the flash around infants.
- Never try to disassemble, short or recharge the battery. Also, do not dispose of the battery in fire, as it may explode.
- Remove the battery from the camera immediately if it becomes hot or begins to smoke. Be careful not to burn yourself during removal.

PRECAUTIONS FOR YOUR CAMERA

Precautions when taking pictures

- Do not drop the camera or allow it to hit a solid object. If the camera suffers a severe shock or impact, take it to a Pentax service center for inspection.
- Be careful not to subject the camera to strong vibrations, shock or pressure. Use a cushion to protect the camera when carrying it in a motorcycle, car, boat, etc.
- Condensation on the interior or the exterior of the camera may be extremely harmful to the camera mechanism as it may cause rust. Furthermore, if the camera is taken from warm temperature to a subfreezing one or vice versa, the formation of icelets may cause damage. In such a case, put the camera into a case or plastic bag so that any changes in temperature difference is minimized. Do not remove it from the bag until temperature has stabilized.
- Regular size color prints may cut off what appears on the extreme edges of the film frame. Compose your picture with a margin of safety at the edges.

Precautions for storage

- Avoid leaving the camera for extended periods in places where temperature and humidity are high such as in a car.
- Do not store the camera in a closet with mothballs or in a case where chemicals are handled. Store it in a place with good air circulation to prevent fungus growth.

Precautions for proper care

- Use a blower and lens brush to remove dust accumulated on the lens or the viewfinder window.
- Never use solvents such as paint thinner, alcohol or benzene to clean the camera. To clean the external camera surfaces, - but not glass surfaces; using a dry or silicone-treated cloth is recommended.

PRECAUTIONS FOR BATTERY USAGE

Other precautions

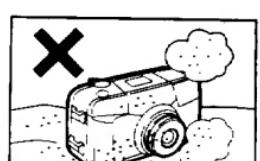
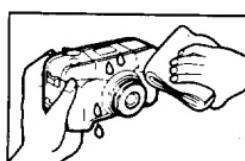
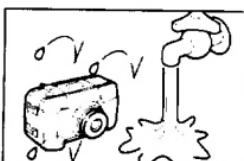
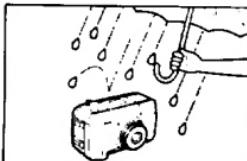
- The temperature range at which this camera functions properly is 50°C to - 10°C (122°F to 14°F).
- To maintain optimum performance, it is recommended that the camera be inspected every one or two years. If the camera has not been used for an extended period, or is being prepared for an important photographic session, it is recommended that you have the camera inspected or test shoot with it.
- The PENTAX warranty provided only for the repair of defects in materials or workmanship. Damage of any kind cannot be repaired at no charge under the term of the warranty. If the difficulty is caused as a direct result of the product being used in conditions as outlined in the other operation contrary to the instructions outlined in this manual, charges will be assessed or a repair quotation will be provided.

LCD (Liquid-crystal display)

- When the LCD is exposed to high temperatures over about 60°C, it may blacken, but when the temperature normalizes, it will return to normal.

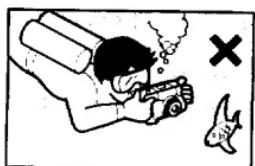
- The LCD may also slow down in response to lower temperatures, but this is a normal characteristic of an LCD.
- Use one 3V lithium battery, type CR-123A or the equivalent.
- Misuse of a battery can cause hazards such as leakage, overheating, explosions, etc. The battery should be inserted with the "+" and "-" sides facing correctly.
- Never try to disassemble, short or recharge the battery. Also do not dispose of the battery in a fire, as it may explode.
- Battery performance may be temporarily hindered in low temperatures, but will recover in normal temperatures.
- Keep a spare battery on hand for replacement convenience when shooting outdoors or while traveling.
- When the camera is in a bag, make sure the main switch is OFF. Otherwise, battery power may be wasted if the shutter release button is accidentally pushed.

WEATHER-RESISTANCE CAPABILITY

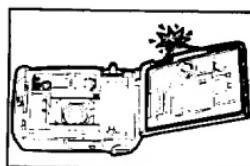


This camera is weather-resistance and can be used without having to be bothered by rain or water spray.

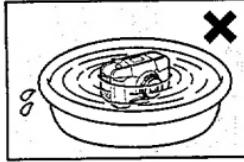
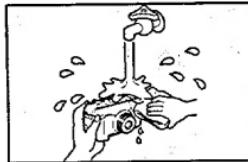
- After use wipe off any dirt or water droplets on the camera with a clean and dry cloth.
- Sand or mud entering the camera may damage the camera. If used at the beach or other sandy or dirty area, do not place it directly on the sand or dirty area.



However, it is not designed for under water photography.



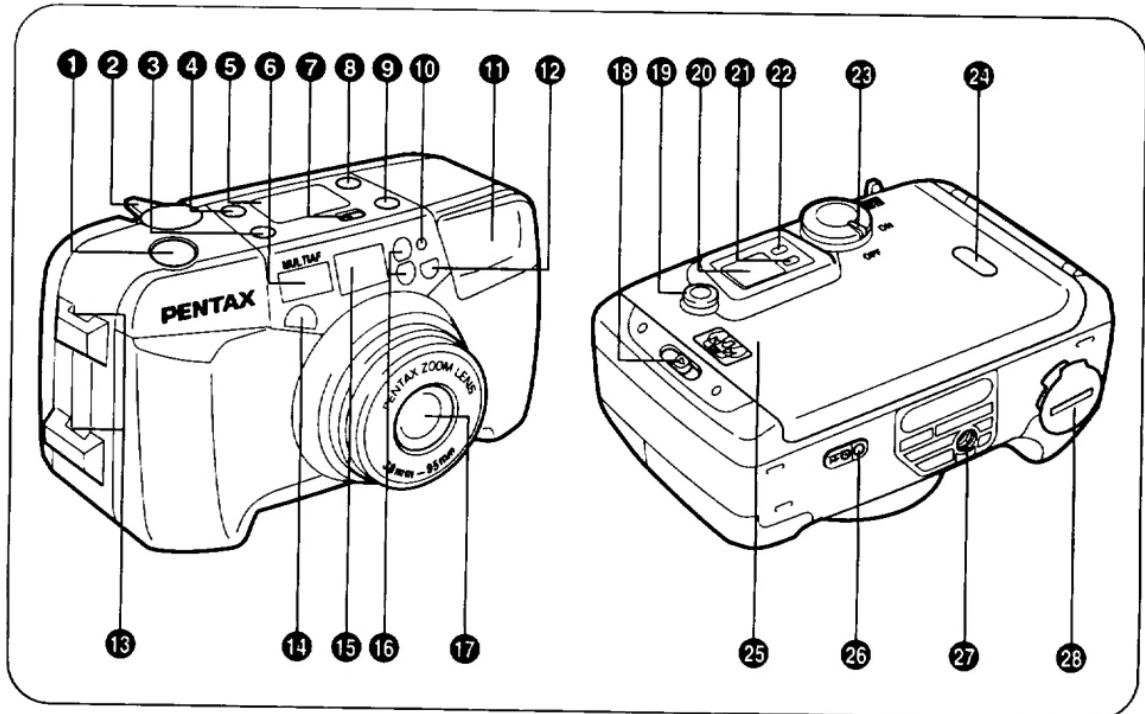
- Remove any dirt or sand from the weather-resistant seals. If the lens barrel or the seals are damaged, they will not keep the camera weather-resistant. Have your factory authorized service agent replace these seals as soon as possible.



- If there is dirt or saltwater droplets on the camera after use, remove them with a dry, clean cloth or wash the camera in clean slowly running water, or in a basin filled with water after making sure that the main switch is turned off and back cover and battery chamber cover are closed. Wash the camera in water for a maximum of 2-3 minutes. NEVER move the zoom lever to zoom the lens while the camera is submerged in water.
- This camera is not designed to water pressure. Never leave the camera in water for a long time or wash it clean in a vessels where the hydraulic pressure is high.

- Never use solvent such as soapy water, detergent or alcohol to clean the camera. Otherwise, the camera's weather-resistant capability will be impaired.
- Only the external camera housing is weather-resistant. The camera will be damaged if sand, dust or water enters the camera while changing the film or replacing the batteries. Note that in this case repairs of such damages will be chargeable to you even during the warranty period.

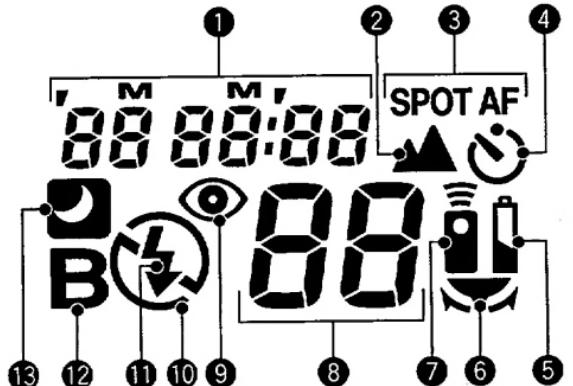
NAMES OF WORKING PARTS



LCD PANEL

- ① Shutter release button (p.12)
- ② Zoom lever (p.13)
- ③ AF / Infinity-landscape button (p.25)
- ④ Drive button (p.25)
- ⑤ LCD panel (p.7)
- ⑥ Autofocus window
- ⑦ Date button (p.40)
- ⑧ Mode button (p. 24)
- ⑨ Red-eye reduction flash button (p. 25)
- ⑩ Self-timer lamp (p.29)
- ⑪ Built-in flash
- ⑫ Remote control receiver (p.31)
- ⑬ Strap lug (p.9)
- ⑭ Spotbeam window (p.20)
- ⑮ Viewfinder window
- ⑯ Light sensor window
- ⑰ Lens
- ⑱ Back cover release lever (p.14)
- ⑲ Diopter adjustment dial (p.17)
- ⑳ Viewfinder eyepiece
- ㉑ Red lamp
- ㉒ Green lamp
- ㉓ Power / Panorama switch (p.11)
- ㉔ Film information window
- ㉕ Back cover (p.14)
- ㉖ Mid-roll rewind button(p.23)
- ㉗ Tripod socket
- ㉘ Battery chamber cover (p.10)

All indications will not actually appear simultaneously as shown.



- ① Data Information (p.40)
- ② Infinity-Landscape Mode (p.33)
- ③ Spot AF Mode (P.34)
- ④ Self-Timer (p.29)
- ⑤ Battery Exhaustion Warning (p.11)
- ⑥ Zoom Lever (p.13)
- ⑦ Remote Control Shooting Mode (p.30)
- ⑧ Exposure Counter (p.16)
- ⑨ Red-eye Reduction Flash Mode (p.25)
- ⑩ Flash OFF (p.27, p.28)
- ⑪ Flash ON (p.26, p.27, p.28)
- ⑫ Bulb (p.28)
- ⑬ Slow-Speed-Shutter (p.27)

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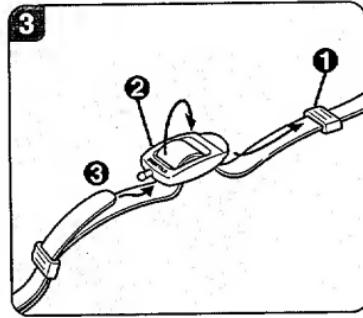
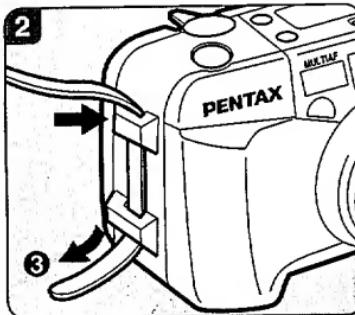
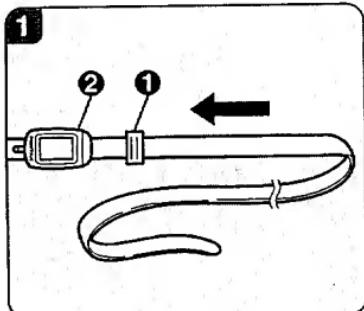
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STRAP ATTACHMENT

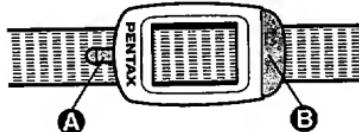


Fit the strap on the camera using the following procedures.

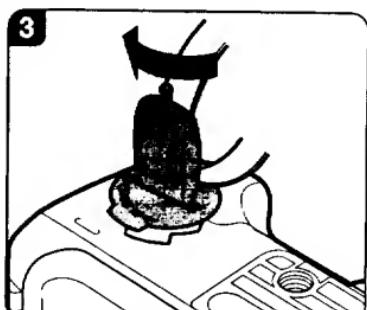
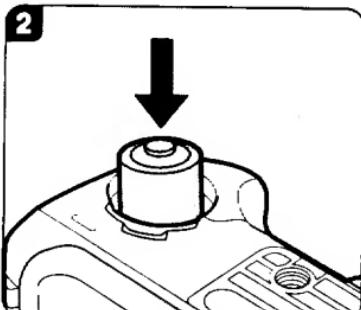
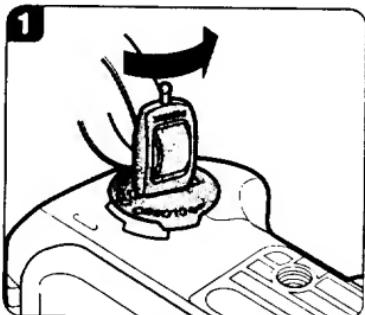
- 1 Pass the strap through the hoops 1 and the clamp 2 as illustrated 1.
- 2 Pass the strap end 3 through the camera's strap lug as illustrated 2.

3 Pass the strap end 3 through the clamp 2 and hoop 1 as illustrated 3.

- Use the illustrated part A for pushing the mid-roll rewind button to rewind a film before exposing all the frames. Use the illustrated part B for opening the battery chamber cover.



INSTALLING / REPLACING BATTERY

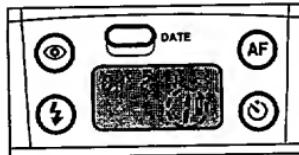


Ensure that the power is OFF before replacing the battery.

- 1 Turn the battery chamber cover to the OPEN side by using the strap clamp's protrusion.
- 2 Insert one lithium battery (CR123 or the equivalent) with the plus / minus (+ / -) sides matching the indications in the battery compartment.
- 3 Close the battery chamber cover by using the strap. Ensure that the cover is locked with a click.

- Use one 3V lithium battery (CR-123A or equivalent)
- If the battery is correctly loaded, the zoom lens moves slightly and the motor operates for a few seconds.
- On the DATE MODEL, the time is initialized to 0 00 and (----) bar is appeared on the LCD panel when the battery chamber cover is opened. Correct the time. See page 40.
- The date and number of exposed frames are memorized and unchanged even if the battery is replaced.

BATTERY EXHAUSTION WARNING

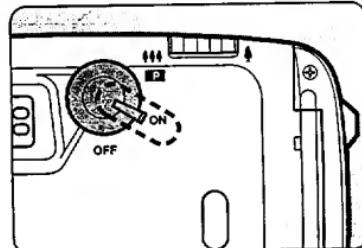


When the battery is nearly exhausted, the battery symbol (■) appears on the LCD panel to warn you. Replace the battery as soon as possible. When (■) starts blinking, no operations can be performed.

Battery life (using 24-exposure film rolls):

Approx. 13 rolls using flash 50% of the time (using the CR-123A battery and under Pentax testing conditions). Actual battery life / performance may vary drastically depending on usage of Power Zoom, Flash and external conditions such as temperature and freshness of the battery.

TURNING ON THE POWER

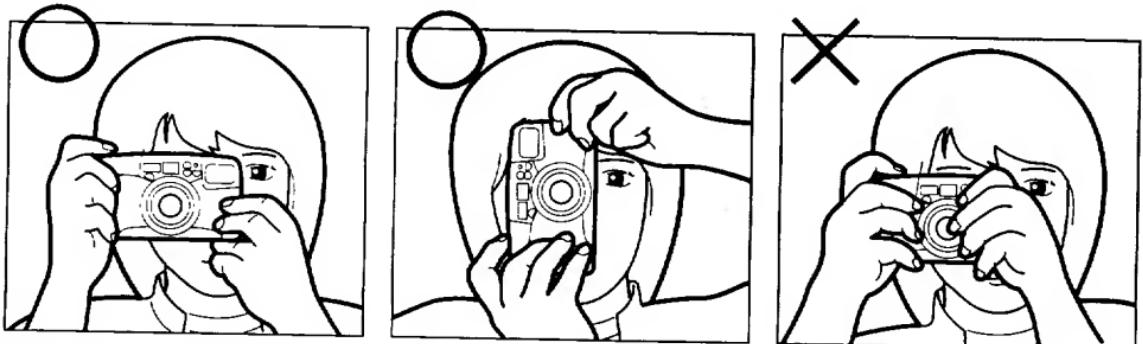


To switch ON, set the Power / Panorama switch to the ON position.

When the power turns ON, the lens slightly extends to the wide-angle 38mm setting and LCD panel is on. The camera is now ready to shoot.

- When the camera is not in use, ensure that the Power / Panorama switch is set to the OFF position.
- If the camera is ON and left unused for over 3 minutes, the lens automatically retracts.
- Battery performance may be temporarily hindered in low temperature, but will recover in normal temperatures.

HOLDING THE CAMERA

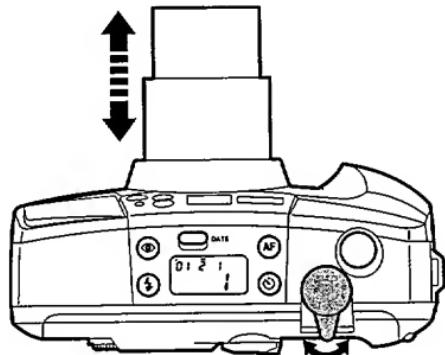


Keep the camera as still as possible, and gently depress the shutter release button. If too much force is applied, the camera is likely to shake, and the picture will be blurred. Try to brace your elbows against a stable, stationary object such as a wall.

Notes:

- When using the flash with the camera positioned vertically, hold the camera so that the flash is above the lens.
- Do not hold the zoom lens because it moves back and forth while in operation.
- Make sure not to obstruct the autofocus window, lens, light sensor window or the built-in flash with your fingers, hair or other object.

OPERATING 38-95mm ZOOM LENS



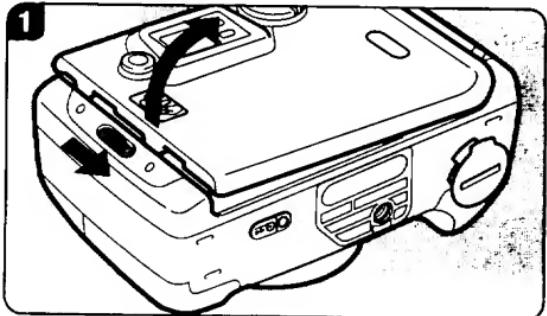
When you move the zoom lever to the right (▲), the lens moves towards the 95mm telephoto setting and frames the subject more closely. When you move the zoom lever to the left (▼▼▼), the lens moves towards the wide-angle 38mm setting. When the lens zooms to the desired setting, release the zoom lever and depress the shutter release button fully to take pictures.

- Do not apply force to the zoom lens as doing so causes damage to the camera.

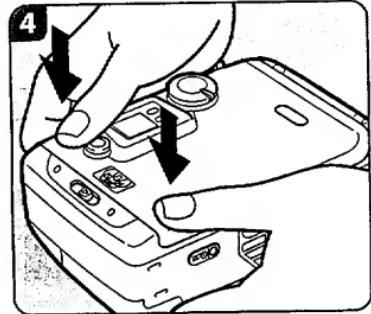
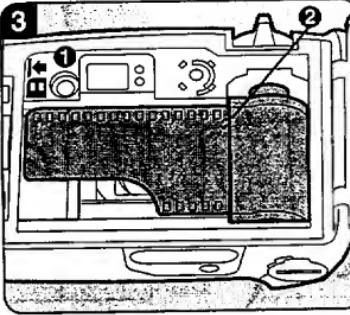
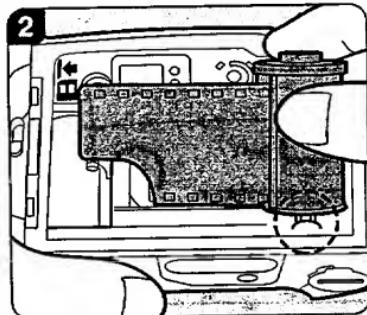
FILM LOADING (Ensure the power is off before inserting the film.)

TAKING PHOTOGRAPHS

After reading this instruction manual you should be familiar with the functions available on the camera, and you're ready to insert the film.



- 1 Slide the back cover release lever down in the direction of the arrow to open the back as illustrated.



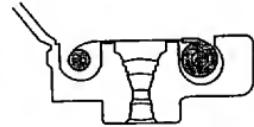
- 2 Place the film cartridge in the film chamber by fitting its flat side on the top of the rewind shaft first and then slide the top end of the film cartridge into the camera.
- 3 Pull the film leader out far enough from the cartridge to reach the take-up spool. Align the tip of the film with the film leader end mark ①.
- 4 Close the back cover as illustrated. The film automatically advances to the first frame.

Notes:

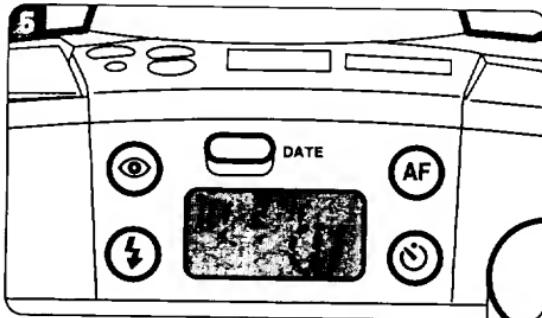
- If there is dirt on the film detector ②, film cannot be wound properly.
- Ensure the film is taut as illustrated on the illustration. Take up any slack in the film by pushing it back into the cartridge.
- If the end of the film leader is extremely bent, straighten it or cut off the bent portion.



✗ Slack No!



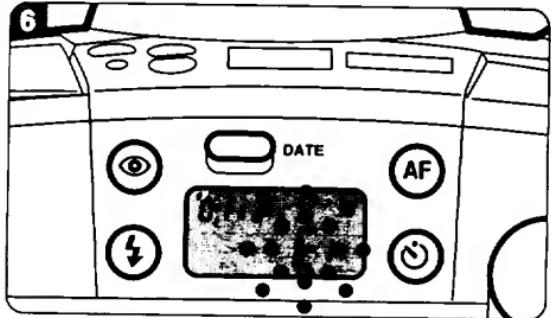
○ Flat Yes!



5 When (f) appears in the exposure counter on the LCD panel, the film automatically stops winding. The indication appears as shown above.

- The exposure counter indication will remain on even if the main switch is turned OFF.

6 If (E) blinks on the LCD panel, it means the film is not properly loaded. Reload the film.



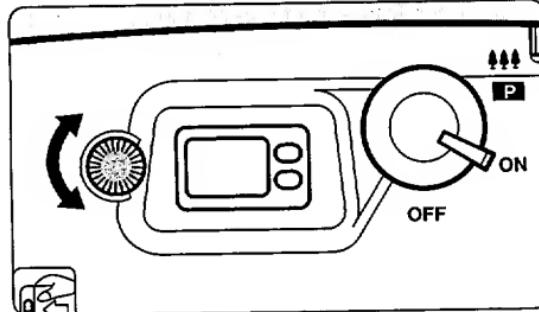
Automatic film speed setting

This camera is designed to use DX-coded films with ISO rating from 25 to 3200. When any of these films are loaded, the proper film speed is automatically set for the camera.

Notes:

- Non-DX coded films cannot be used. If Non-DX coded film is used, the film speed is automatically set to the ISO 25.
- A film with ISO 400 film speed is recommended to get less image blur and to cover more of the photographic situations.

DIOPTER ADJUSTMENT



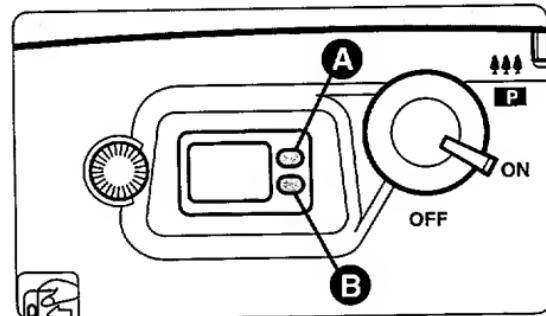
Aim the camera toward a bright subject. While looking through the viewfinder, rotate the diopter adjustment dial to the right or left until the AF frame appears in the sharpest focus.

- Be sure to adjust the diopter before use.

When you depress the shutter release button halfway down, the lamp **A** and / or **B** lights up or blinks as shown above.

A Green lamp (Focus status) :

LAMP INDICATIONS



When the subject is in focus, it will light up to indicate that you can take the picture; when the subjects not in focus, it will blink, indicating that you cannot take the picture.

B Red lamp (Flash status) :

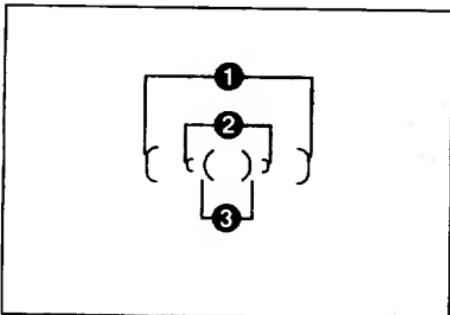
When the flash is ready to discharge, it will light up. When the flash is being charged, it will blink.

Shooting ranges (effective camera-to-subject distance)

The standard format and panorama format allow a shooting range from ∞ (infinity) to 0.65m (2.1 ft).

VIEWFINDER DISPLAYS

Standard format



Panorama format



When the autofocus frame in the viewfinder is not clearly seen, adjust the diopter by moving the diopter adjustment dial.

Five-point AF Frame (① and ②)

For normal photography, compose the scene within the AF frame.

When the lens is set at 38mm setting, compose the scene within the AF frame ②. When the lens is set at the 95mm setting, compose the scene within the AF frame ①.

- For other focal length, the range widens as the focal length increases from 38mm to 95mm.

Spot AF Frame ③

Select the Spot AF frame to focus on a particular spot in the frame.

Close distance compensation frame ④

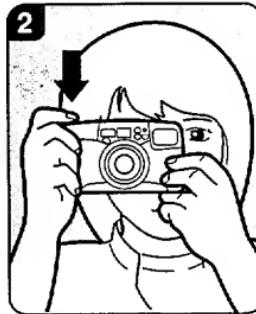
- When the camera-to-subject-distance is closer than 1.2m, compose the scene within this frame.
- When the camera-to-subject distance is less than 1.2m, the panorama format is not recommended due to a substantial difference between what you see through the viewfinder versus the image you will obtain the actual picture taking area.

TAKING PICTURES



1 Composing the scene

After zooming the lens and composing the your scene, focus on the subject with autofocus frame.



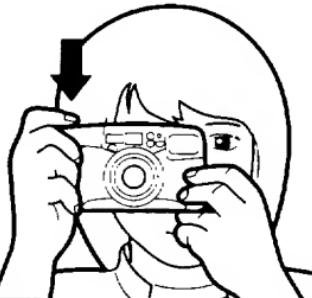
2 Checking the lamp indication

Depress the shutter release button halfway down. When the subject is in focus, the green lamp will light up.

The green lamp blinks when the camera is not able to obtain proper focus for one of the following reasons.

- ① The subject is too close.
- ② The subject is difficult to autofocus. See page 36.

3



3 Shooting

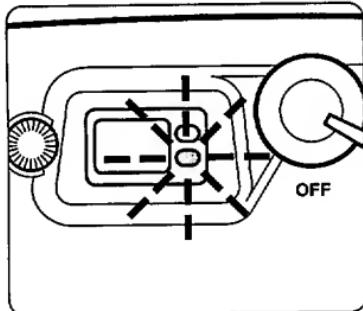
Depress the shutter release button fully, and the shutter will be released. Then, the film automatically advances to the next frame.

Notes:

- This camera uses the five-point AF system to focus the subject. Even if the subject is slightly off the center of the AF frame, subject will easily be brought into focus.
- When focusing on a particular spot on the subject, use the Spot AF Mode. See page 34.
- If the autofocus window is dirty, the autofocus may not function properly.
- If you wish to focus on another subject, lift your finger from the shutter release button and depress the shutter button halfway down again.
- The shutter cannot be released while the lens is zooming.

Focus aid illuminator

In low light situations and / or hard-to-autofocus subjects, the red light is automatically projected to assist the autofocus system when the shutter release button is depressed halfway down.



Automatic Flash Emission

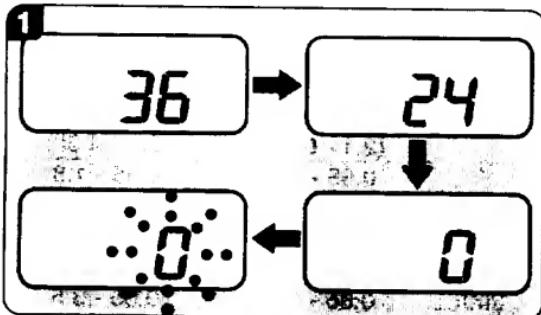
When taking pictures in low light, the flash will automatically discharge. When the shutter release button is depressed halfway down in low light, the red lamp will light up, indicating the flash is ready to discharge as shown above illustration. If the red lamp blinks, this indicates that the built-in flash is being charged and the shutter cannot be released. Therefore, make sure that the red lamp is lit continuously before taking pictures.

Flash effective ranges (Color negative film used)

Lens ISO	38mm meters ▲▲	95mm meters ▲
25	0.65 - 2.1 (2.1 - 6.9ft)	0.65 - 1.3 (2.1 - 4.3ft)
50	0.65 - 3.0 (2.1 - 9.8ft)	0.65 - 1.8 (2.1 - 5.9ft)
100	0.65 - 4.2 (2.1 - 14ft)	0.65 - 2.5 (2.1 - 8.2ft)
200	0.65 - 6.0 (2.1 - 20ft)	0.65 - 3.5 (2.1 - 11ft)
400	0.65 - 8.5 (2.1 - 28ft)	0.65 - 5.0 (2.1 - 16ft)
800	0.65 - 12.0 (2.1 - 39ft)	0.65 - 7.0 (2.1 - 23ft)
1600	0.84* - 17.0 (2.8* - 56ft)	0.65 - 10.0 (2.1 - 31ft)
3200	1.2* - 24.0 (3.9 - 79ft)	0.65 - 14.1 (2.1 - 46ft)

* With high speed film, overexposure may occur at close range due to the film's high sensitivity.

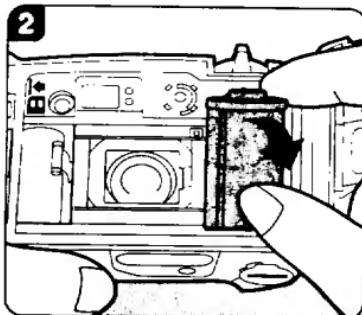
UNLOADING FILM (Remove the film from the camera in the shade or by using your body to shade the camera)



1 Rewinding the film

After you have exposed the last frame of the roll, the lens retracts and the film rewinds automatically. Then, the motor stops, and (0) blinks as shown to indicate that the film has been rewound.

- A 24-exposure roll of film takes about 20 seconds to be rewound.
- During rewinding, the exposure counter counts frame numbers in reverse.
- The entire roll of film including the film leader is always rewound into the cartridge to prevent any part of the film being exposed to light.

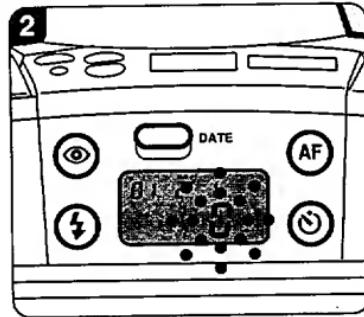
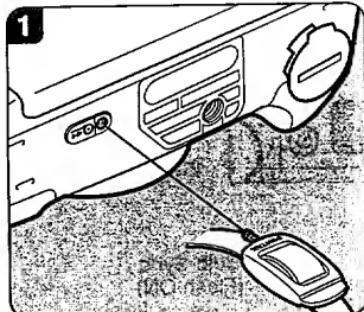


2 Unloading film

To unload the film, open the back cover, and remove the cartridge from the chamber by pulling the top of the film cartridge out first with your finger.

Notes:

- Never open the back cover until the whole film roll is rewound.
- The shutter may be released a frame or two even after the specified number of frames have been used up as indicated by the number of shots shown on the film cartridge. If this occurs, these extra frames may be lost in the processing.



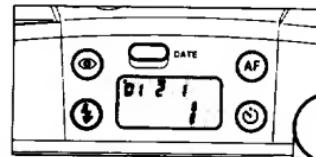
Rewinding a film in mid-roll

If you wish to unload a film before exposing all the frames, push the mid-roll rewind button with the protrusion part of the strap clamp; the lens retracts and then film rewinding starts. When rewind is completed, the motor stops, and (8) blinks, indicating that the back cover may be opened safely.

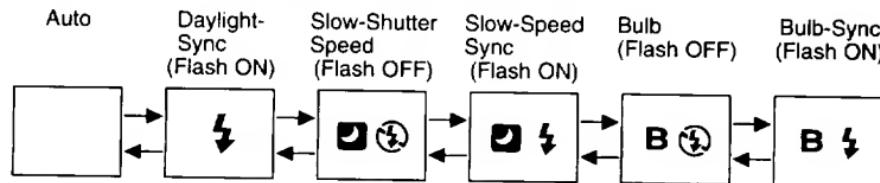
- Do not depress the button with an object having a sharp tip.

HOW TO SELECT MODES / RED-EYE REDUCTION MODE

TAKING BETTER PHOTOGRAPHS



To set various exposure modes, depress the mode button (§).

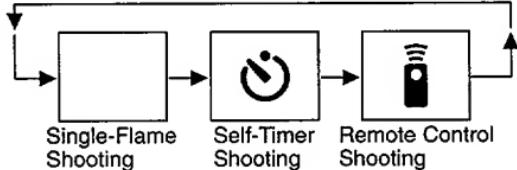


- For normal use, set the auto exposure mode as shown in above.
- The camera is automatically re-set to the Auto Exposure Mode when the power is turned off.

Red-eye

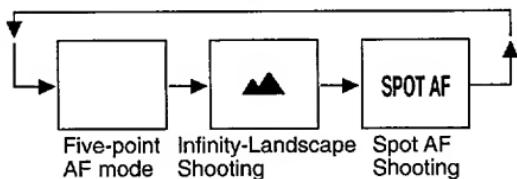
Shooting portraits with the flash may result in "red-eye", the red dot in your subject's eye. This camera incorporates a red-eye reduction flash function which lights up the self-timer lamp for approx. 1 second before the flash is discharged. For setting the red-eye reduction flash function, see page 25.

To set various shooting modes, depress the drive button ().



- For normal use, set the Single-Frame Shooting Mode.

To set various focusing modes, depress the AF / Infinity-Landscape button ().

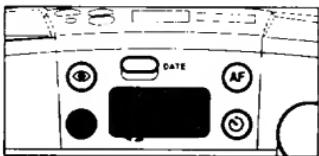


- For normal use, set the Five-point AF Shooting Mode.

Red-Eye Reduction Flash Function

To reduce the red-eye phenomenon in the picture, depress the red-eye reduction flash button (). With this mode, the flash discharges two consecutive times, reducing the appearance of the red-eye effect. To cancel this mode, depress the red-eye reduction flash button again.

DAYLIGHT-SYNC SHOOTING



Depress the mode button until () appears on the LCD panel. In this mode, the flash

will discharge in both dark and bright conditions. When a portrait is taken with the subject in a backlight situation, the front of the subject may be cast in shadow. In such a case, use the Daylight-Sync Shooting Mode (Flash-ON mode) within the flash-effective range to take pictures. This will ensure that a picture is well exposed without any shadow. When you wish to discharge the flash, use this mode. In this mode, the flash will always discharge.

Note:

- Make sure you're within the flash-effective range even when you use the built-in flash as a fill-in flash in daylight. See page 21.

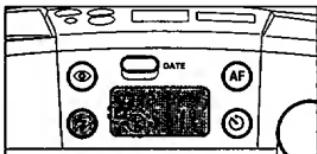


Without Daylight-Sync



With Daylight-Sync

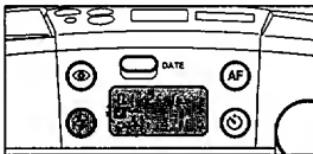
TAKING PICTURES AT A SLOW SHUTTER SPEED



**Slow Shutter Speed
(Flash-OFF)**

Depress the mode button until **(S)** appears on the LCD panel.

In this mode, the flash does not discharge, and a picture is taken at a slow shutter speed up to approx. 4 seconds. Use it in places where the flash photography is prohibited, such as in theaters and museums. Furthermore, this mode is also useful for a natural existing light effect in low ambient photography.



**S l o w - S p e e d -
Sync Shooting
(Flash-On)**

Depress the mode button until **(S)** appears on the LCD panel.

It is possible to photograph subjects and background in a balanced way (as shown in the photo) by using the built-in flash to properly expose the foreground subject and a slow-speed to expose the low light background.

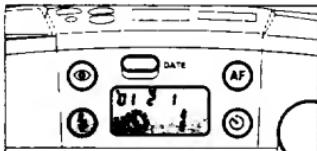


With Slow-Speed-Synchro

Notes:

- When shooting in low light, the shutter speed gets slower, and camera shake is likely to blur your picture. Use of a tripod is recommended.
- Make sure you are within the flash-effective range even when you use the built-in flash as a fill-in flash in daylight. See page 21.

BULB SHOOTING



Bulb Mode (B⁺)

Depress the mode button until (B⁺) appears on the LCD panel.

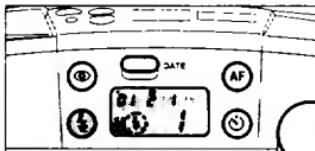
This mode is useful for long exposures required for shooting fireworks and night scenes, for example. When using this mode, the camera should be mounted on a tripod so that the camera will be steady.

- When using this mode, use of a tripod is recommended.



Bulb Mode, approx. 3 sec. (ISO 400)

BULB SYNC SHOOTING



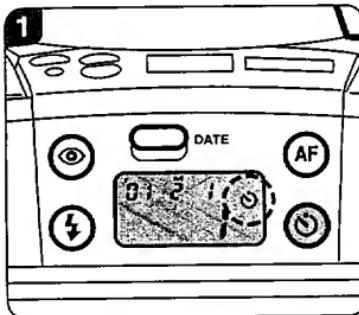
Bulb-Sync Mode (B⁺)

Depress the mode button until (B⁺) appears on the LCD panel.

This lets you use the flash in addition to the Bulb Mode, so you can take a portrait photograph with a night scene in the background, for example.

- Make sure you're within the flash effective range even when the Bulb-Sync Mode is in use. See page 21.
- The shutter remains open up to 5 minutes as long as the shutter release button held down.
- Use of a tripod is recommended.

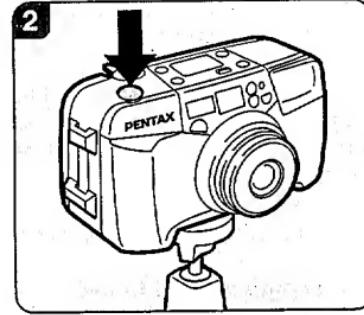
SELF-TIMER PHOTOGRAPHY



Self-Timer

Use the self-timer if you wish to get in the picture. Use of a tripod is recommended.

- 1 Depress the drive button until (⌚) appears on the LCD panel.
 - 2 Assure that the subject is within the AF frame in the viewfinder. Depress the shutter release button fully.
 - 3 The shutter will be released in about 10 seconds.
- When the self-timer is working, the Self-Timer symbol (⌚) blinks on the LCD panel, and the Self-Timer lamp blinks 3 seconds before the shutter is released, letting you know when to smile.



Notes on the self-timer shooting

- If you are standing directly in front of the camera when starting the Self-Timer, the camera will be focused in you, not the main subject. Be sure that you are behind, or next to the camera when starting the Self-Timer.
- To cancel the self-timer at any time after it's been activated, set the main switch to the OFF position or depress the any other button except the shutter release button.
- When you want to use the flash with the self-timer, ensure that the red lamp is lit indicating the flash has been charged before operating the self-timer.

USING WIRELESS REMOTE CONTROL (OPTION)

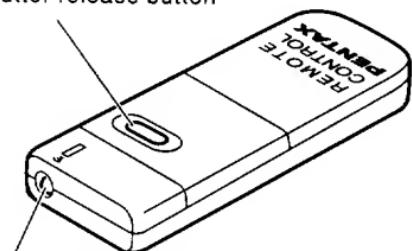
If you have purchased the optional wireless remote control, read this section.

The wireless remote control allows you to trip the shutter at a distance. The shutter will be released in 3 seconds after the shutter release button on the remote control is depressed.

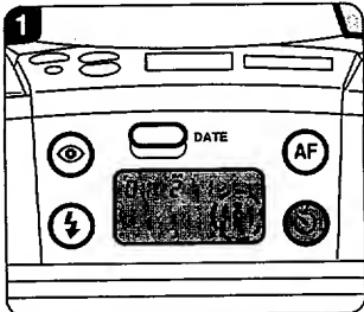
- Use a tripod when shooting with the wireless remote control.
- When the remote control is used to take pictures, the Self-Timer Shooting Mode and the Infinity-Landscape Mode cannot be used.
- Use the remote control to take pictures in the Bulb mode to avoid camera shake. While the remote control's shutter release button is held down, the shutter remains open up to a max. of 5 minutes.

Name of parts

Shutter release button

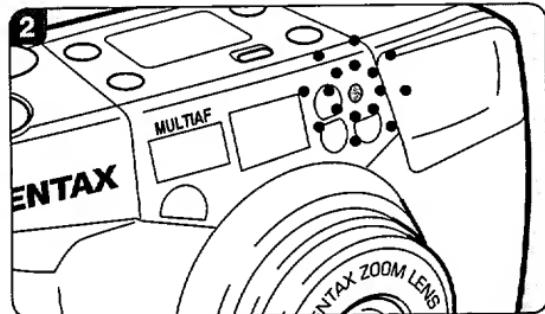


Remote control transmitter



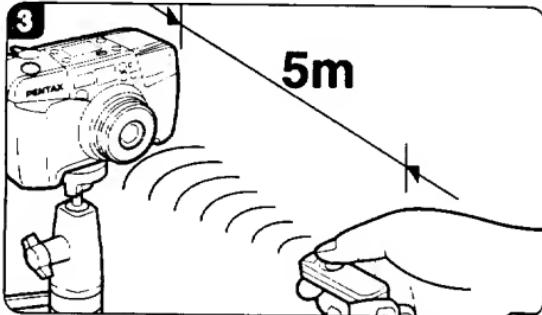
Remote Control Shooting Mode

1 Depress the camera's drive button repeatedly until () symbol appears on the LCD panel. Compose the scene and frame the subject with the AF frame.



2 When the Remote Control Shooting Mode is set on the camera, the self-timer lamp on the front of the camera blinks slowly, indicating that you can take pictures with the aid of remote control.

- If the shutter is released by the camera's release button, picture will be taken in the ordinary shooting mode.
- When the camera is set in the Remote Control Shooting Mode and left unused for 5 minutes, the lens automatically retracts itself and Single-frame will be set.



- 3 Aim the remote control transmitter towards the remote control receiver on the camera, and then depress the shutter release button on the remote control fully to release the shutter.**

- The self-timer lamp blinks rapidly for 3 seconds and then the shutter is released.
- If the shutter is released by the camera's release button, picture will be taken in the ordinary shooting mode.

- Focus cannot be locked when the remote control is in use. The subject framed in the AF frame will be in focus when the remote control's shutter release button is depressed.

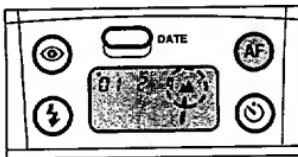
Operating Distance of the Wireless Remote Control from the camera's front: within approx. 5m(16.5ft) straight in front of the camera

- The remote control may not work in a back-light situation. In this case, use the camera's shutter release button in the Self-Timer Mode to take pictures.
- The remote control does not work while the flash is being charged.

Battery life on the Remote Control

About 30,000 commands can be issued using the Remote Control with a battery installed. If the battery is exhausted, please have it replaced at your local Pentax Service center (there is a charge for this service).

INFINITY-LANDSCAPE SHOOTING



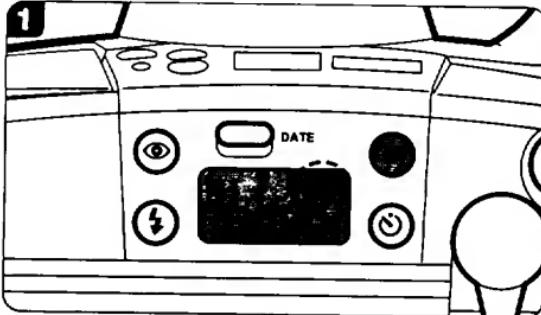
When you wish to take a sharp picture of a distant landscape or a distant subject through a window, the Infinity-Landscape Mode allows you to capture distant scenery with clarity.

Depress the AF / Infinity-landscape button until (▲) appears on the LCD panel.

- After the picture is taken by fully depressing the shutter release button, this mode is canceled.
- The flash will not discharge in the auto exposure mode even in dark light situations.



SPOT AF SHOOTING



Select the Spot AF mode to focus on a particular spot in the frame.

1 Switching to Spot AF mode

Depress the AF / Infinity-Landscape mode button so that the (SPOT AF) appears on the LCD panel indicating that you are in the Spot AF mode.

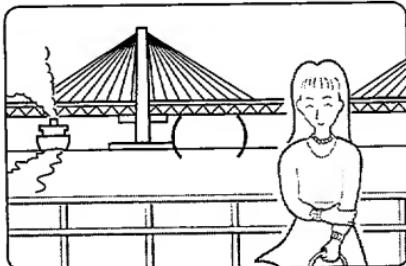


2 Focus on the subject

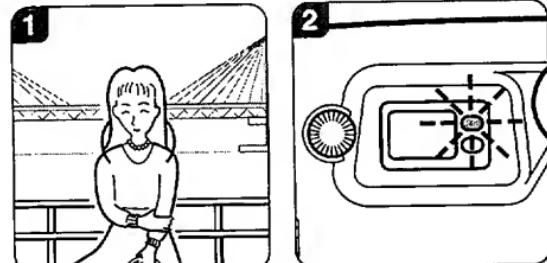
Focus on the subject with the Spot AF frame [()] in the center of the viewfinder.

- When the main subject is off the autofocus frame in the center of the viewfinder, use the focus-lock technique. See page 35.

FOCUS-LOCK SHOOTING

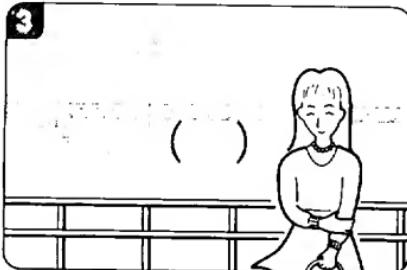


If you shoot without positioning the autofocus frame (()) on the main subject as shown above, only the background will be in focus. When the main subject is off the autofocus frame in the center of the viewfinder, use the focus-lock technique. (Focus lock is the function to lock focus.)



- 1 Focus on the subject with the autofocus frame (()).**
- 2 When the shutter release button is depressed halfway down, the green lamp lights up and the exposure and focus are temporarily locked.**

HARD-TO-AUTOFOCUS SUBJECTS



3 While depressing the shutter release button halfway, re-aim the camera or recompose the picture, then release the shutter.

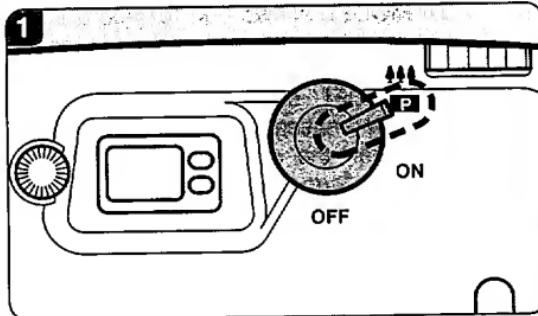
Note:

- You can release focus lock simply by lifting your finger from the shutter release button.

The autofocus system is highly precise, but not perfect. Some subjects may not focus as you wish. In such a case, use the focus-lock technique on a subject near the actual one and equidistant from the lens. The subjects which may fool autofocus system include:

- a) Extremely low-contrast subjects such as a white wall or blue sky in the autofocus frame.
- b) Subjects which don't reflect much light in the autofocus frame.
- c) Subjects which moving too fast.
- d) Subjects with horizontal lines or with finely complex or detailed pattern in the autofocus frame.
- e) Multiple subjects in foreground of the autofocus frame.
- f) Subjects positioned against reflected light or strong backlight or with extremely bright background.

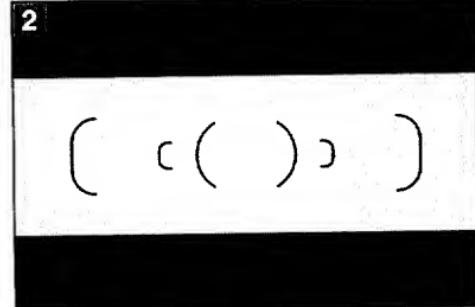
TAKING PANORAMA FORMAT PICTURE



You can switch between the panorama format and standard format picture taking mode in the middle of the roll by moving the panorama lever. The panorama format picture allows horizontally positioned dynamic pictures to be taken (approx. 13x36mm on film).

- 1 **Switching to the panorama format picture**
Move the Power / Panorama switch to (P) to select the panorama format mode.

- When the picture frame is switched to panorama, the viewfinder switches to the horizontal panorama format frame.



- 2 **Taking a panorama format picture**
Compose the scene within the panorama format frame, and then fully depress the shutter release button to take a panorama format picture.

- When the camera-to-subject distance is less than 1.2m, the panorama format is not recommended due to a substantial difference between what you see through the viewfinder versus the image you will obtain the actual picture taking area.



The mark “ - ” indicates the position where the data and time are imprinted.

The DATA MODEL allows you to record DATE information in the panorama mode in a similar manner to the standard picture taking mode. See “DATE MODEL” on page 40 for details. The dating unit automatically switches the DATE position between the standard and panorama according to the format mode selected.

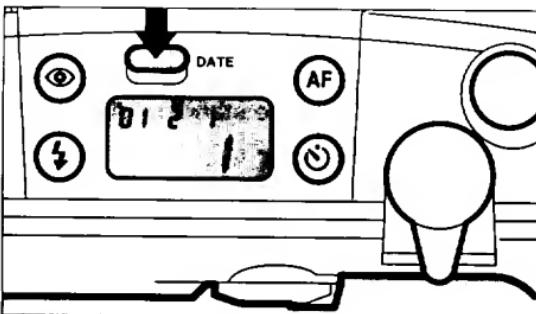
NOTES ON THE DEVELOPMENT OF PANORAMA FORMAT PICTURES

- With panorama format pictures, only the middle area of the frame is exposed. The number of exposures available in the panorama format is equivalent to that of the standard photo size.



- When developing the film, if you have taken only panorama format pictures on the entire roll of film, tell the clerk at the processing lab to develop the film with only the panorama format. If there are both panorama and standard format photographs on the film, ask the clerk to develop the film with both standard and panorama format.
- The development of panorama format pictures is a more time-consuming and expensive process than that of standard pictures. Please consult the processing lab for more details.
- Panorama format processing facilities differ depending on the area and requirements. Your local film processor or camera dealers will advise you on all the options to you.
- When the panorama format picture is printed with a standard size format, the black cropped areas will appear on the top and bottom of the picture.

DATE MODEL



If you purchased the DATE model, read this section.

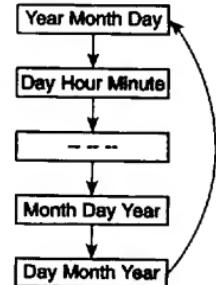
The DATE model records dates up to the year 2030 on pictures.

Switching the Mode

Press the DATE button with your finger, the mode on the LCD panel switches as shown in the chart.

Notes:

- The data on the LCD panel will be imprinted on the film.
- "----" indicates no data will be imprinted.
- "M" on the LCD panel indicates "Month".



* The date in the picture above is simulated.

Correcting the date

Switch the power on.

- 1. Depress the DATE button for 3 seconds, the "Year" digits and () will blink.**
- 2. Each time the DATE button is depressed, the blinking digits changes in the following manner:**

Year - Month - Day - Time - Minutes

Stop depressing the button when desired digits appear.

- 3. Move the zoom lever to the right or left, when you wish to change the blinking digits. The digits increases by one each time the lever moves to the right and the digits decrease by one each time the lever moves to the left. Holding the zoom lever for about one second will change the digits continuously.**
- 4. After the data has been adjusted, depress the DATE button repeatedly until blinking stops.**

- The blinking "minutes" allows precise fine-tuning of the internal clock to the beginning of a specified minute. To do so, when "minutes digits" are blinking, depress the DATE button in sync with a time signal.
- If you release the shutter while the blinking data is being corrected, the data cannot be imprinted.

Operational precautions

- The data on the LCD panel is imprinted on each frame you expose.
- "Year-Month-Day" and "Day - Hour - Minute" cannot be imprinted at the same time.
- The dating unit automatically switches the imprint mode between the standard and panorama according to the format mode selected.
- If there is a white or yellow object in the corner of the picture where the data is imprinted, the data may be difficult to read. When composing your photographs, try to avoid brightly-colored subjects in that corner.

TROUBLESHOOTING

What appears troublesome may be easily remedied. Here are some problems that may occur and their remedies.

Symptoms	Causes and Remedies
1. The shutter cannot be released.	<ul style="list-style-type: none">• Is the main switch turned OFF? If so, turn it ON. See page 11.• Is the battery exhausted? Replace it or insert new battery if it is exhausted. See page 10.• Is (B) blinking on the LCD panel? If so, the film has been used up. Insert a new roll. See page 14.• Is (E) blinking on the LCD panel? If so, the film has not been loaded properly. Reload the film. See page 14.
2. My printed pictures don't look very clear.	<ul style="list-style-type: none">• Did you position the autofocus frame on your subject? See page 19.• Did you obstruct the autofocus window with your fingers, hair or other object when you depress the shutter release button? See page 20.• Is the autofocus window dirty? Wipe it off. See page 20.
3. Zoom lens retracted automatically (the power is turned off automatically)	<ul style="list-style-type: none">• Did you leave the camera unused for more than 3 minutes? See page 11.• When the camera is ON and left unused for more than 5 minutes in the Remote Control shooting mode, the camera automatically retracts. See page 30.

Symptoms	Causes and Remedies
4. The Remote Control does not operate.	<ul style="list-style-type: none"> • The operable distance of the Remote Control is approx. 5m from the front. See page 32. • The Remote Control may not operate in a backlit situation. See page 32. • The flash is being charged. Wait until it fully charges. See page 32. • Is the battery for the remote control exhausted? See page 32.
5. The flash discharges, though it is not dark.	<ul style="list-style-type: none"> • The flash discharges automatically in a backlit situation. See page 21. • Daylight sync mode has been set. See page 26.
6. The (HE), or (LE) mark is displayed on the LCD panel.	<ul style="list-style-type: none"> • If either mark disappears when the zoom lever is moved, the camera is ready for use. The camera may be defective if either mark appears often.

SPECIFICATIONS

Type: 35mm fully automatic lens-shutter with built-in zoom lens and auto flash, Weather-resistant (JIS class 5)

Film: Auto film speed setting with 35mm perforated DX-coded film with ISO rating from 25-3200 (1EV step). Non-DX coded films are automatically set to ISO25

Format: 24x36mm (Approx. 13x36 in panorama format)

Film loading: Auto film loading. Closing the back cover will automatically wind the film to first exposure.

Film winding: Auto film winding (single-frame)

Film rewinding: Auto film rewinding at the end of roll. Auto stop upon completion of rewinding. Rewinding time: approx. 20 sec. with 24-exposure film. Rewinding in mid-roll provided.

Frame number: Automatic readout of successive frame numbers in ascending order when shooting, and descending order when rewinding.

Lens: Pentax power zoom 38-95mm f/4.5 - 10.5 6 elements in 5 groups, Angle of view: 59° - 25.5°

Focusing system: Pentax phase-matching passive five-point autofocus system. Autofocusing range: 0.65m (2.1ft) - infinity, Maximum magnification: approx. 0.17 X. Focus lock is provided. Infinity-landscape mode (focus is fixed to infinity), Focus aid illuminator is automatically emitted in low light / or hard-to-autofocus subject.

Zooming: Electronic zoom

Shutter: Programmed AE electronic shutter with speed approx. 1/400 - 4 sec. Bulb: 1/2 sec.-5 min, Electromagnetic release.

Self-timer: Electronic lamp indication. Approx. 10 sec. Cancellation after activation is possible.

Viewfinder: Standard / panorama switchable, Actual image zoom viewfinder, Viewfinder area: 83%, Magnification: 0.43 X (38mm WIDE) - 0.96 X (95mm TELE), Diopter adjustment: -3 to + 1m⁻¹, Five-point AF frames for Wide-angle and Telephoto settings, Spot AF frame, Picture frame, Close distance compensation frame, Panorama format picture area, Green lamp lighting: in-focus signal Green lamp blinking: When subject is too close and / or hard-to-autofocus subject, Red lamp lighting: Flash-ready status, Red lamp blinking: Flash being charged

Exposure control: Programmed auto-exposure control with multi segment (2) metering system, Range: EV10 - EV18 at 38mm WIDE, EV13.5 - EV20 at 95mm TELE in Auto or Daylight-Sync Mode (ISO 400), EV4 - EV18 at 38mm WIDE EV5 - EV20 at 95mm in Slow-Shutter-Speed Mode (ISO 400), Automatic exposure compensation in a backlit situation.

Flash: Built-in flash with red-eye reduction mode, Automatic discharge in low lighting and backlighting situations in auto mode, Flash ON = Day-light Sync / Slow-Shutter-Speed Sync (up to 4 sec.), Flash-OFF Mode, Bulb-Sync 1/2 sec. - 5min.

Flash effective range: 0.65 - 8.5m (38mm WIDE), 0.65 - 5.0m (95mm TELE) (ISO 400 film used).

Flash recycling time: Approx. 5 sec. under Pentax testing conditions.

Power source: One 3V lithium battery (CR-123A or the equivalent)

Battery life: Approx. 13 rolls of 24 exposure film when 50% of shooting uses flash (under Pentax testing conditions)

Battery exhaustion warning: () appears on the LCD panel, Shutter is locked when () is blinking.

Size & Weight: 132 (W) x 76 (H) x 58.5 (D) mm (5.2" x 3.0" x 2.3") 360g (12.7oz) without battery

DATE MODEL

Date mechanism: Crystal quartz controlled; LCD with digital clock, auto calendar up to 2030. Possible to imprint both standard and panoramic format frames.

Imprinting mode: "Year, Month and Day", "Day, Hour and Minutes, "----" blank, Month, Day and Year" or "Day, Month and Year".

Size & Weight: 132 (W) x 76 (H) x 58.5 (D) mm (5.2" x 3.0" x 2.3") 360g (12.7oz) without battery

REMOTE CONTROL

Remote control: Infrared wireless remote control, 3-seconds delay shutter release, Effective range: Closer than 5m when projected from the camera's front.

Power source for Remote Control: One lithium battery CR1620 (replaced by Pentax Service facility)

Size & weight for Remote Control: 22.0 (W) x53.0 (L) x 6.5 (D) mm (0.9" x 2.1" x 0.3"), 7g (0.2oz) including battery

SPECIFICATIONS ARE SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTIFICATION OR ANY OBLIGATION ON THE PART OF THE MANUFACTURER.

WARRANTY POLICY

All Pentax cameras purchased through authorized bona fide photographic distribution channels are guaranteed against defects of material or workmanship for a period of twelve months from date of purchase. Service will be rendered, and defective parts will be replaced without cost to you within that period, provided the equipment does not show evidence of impact, sand or liquid damage, mishandling, tampering, battery or chemical corrosion, operation contrary to operating instructions, or modification by an unauthorized repair shop. The manufacturer or its authorized representatives shall not be liable for any repair or alterations except those made with its written consent and shall not be liable for damages from delay or loss of use or from other indirect or consequential damages of any kind, whether caused by defective material or workmanship or otherwise; and it is expressly agreed that the liability of the manufacturer or its representatives under all guarantees or warranties, whether expressed or implied, is strictly limited to the replacement of parts as herein before provided. No refunds will be made on repairs performed by non-authorized Pentax service facilities.

Procedure During 12-month Warranty Period
Any Pentax which proves defective during the 12 month warranty period should be returned to the dealer from whom you purchased the equipment or to the manufacturer. If there is no representative of the manufacturer in your country, send the equipment to the manufacturer with postage prepaid. In this case, it will take a considerable length of time before the equipment can be returned to you owing to the complicated customs procedures required. If the equipment is covered by warranty, repairs will be made and parts replaced free of charge, and the equipment will be returned to you upon completion of servicing. If the equipment is not covered by warranty, regular charges of the manufacturer or of its representatives will apply. Shipping charges are to be borne by the owner. If your Pentax was purchased outside of the country where you wish to have it serviced during the warranty period, regular handling and servicing fees may be charged by the manufacturer's representatives in that country. Notwithstanding this, your Pentax returned to the manufacturer will be serviced free of charge according to this procedure and warranty policy.

In any case, however, shipping charges and customs clearance fees are to be borne by the sender. To prove the date of your purchase when required, please keep the receipts or bills covering the purchase of your equipment for at least a year. Before sending your equipment for servicing, please make sure that you are sending it to the manufacturer's authorized representatives or their approved repair shops, unless you are sending it directly to the manufacturer. Always obtain a quotation for the service charge, and only after you accept the quoted service charge, instruct the service station to proceed with the servicing.

The local warranty policies available from Pentax distributors in some countries can supersede this warranty policy. Therefore, we recommend that you review the warranty card supplied with your product at the time of purchase, or contact the PENTAX distributor in your country for more information and to receive a copy of the warranty policy.



The CE mark is Directive conformity mark of the European Community (EC).

STATEMENT OF FCC COMPLIANCE

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures :

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Consult the dealer or an experienced radio / TV technician for help.

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Asahi Optical Co.,Ltd. 36-9 Maeno-cho 2-chome, Itabashi-ku, Tokyo 174-8639, JAPAN (<http://www.pentax.co.jp/>)
Pentax GmbH (European Headquarters) Julius-Vosseler-Strasse 104, 22527 Hamburg, GERMANY
([http HQ://pentaxeurope.com/](http://HQ/pentaxeurope.com/) [http Germany://www.pentax.de/](http://Germany/www.pentax.de/))
Pentax U.K. Limited Pentax House, Heron Drive, Langley, Slough Berks SL3 8PN, U.K. (<http://www.pentax.co.uk/>)
Pentad FRANCE S.A. 12/14, rue Jean Poulmarch, 95100 Argenteuil, FRANCE
Pentax Benelux B.V. (for Netherlands) Spinveld 25, 4815 HR Breda, NETHERLANDS (<http://www.pentax.nl/>)
(for Belgium & Luxemburg) Weiveldlaan 3-5, 1930 Zaventem, BELGIUM (<http://www.pentax.be/>)
Pentax (Schweiz) AG Industriestraße 2, 8305 Dietlikon, SWITZERLAND (<http://www.pentax.ch/>)
Pentax Scandinavia AB P.O. Box 650, 75127 Uppsala, SWEDEN (<http://www.pentax.se/>)
Pentax Europe n.v. (European Distribution Centre) Weiveldlaan 3-5, 1930 Zaventem, BELGIUM
Pentax Corporation 35 Inverness Drive East, Englewood, Colorado 80112, U.S.A (<http://www.pentax.com/>)
Pentax Canada Inc. 3131 Universal Drive, Mississauga, Ontario L4X 2E5, CANADA